

08/367,731

Abstract of the Disclosure

A slide action veterinary implanter apparatus includes a tubular housing having a hand grip extending therefrom with a trigger assembly pivotally mounted in the hand grip. A slide member is slidably mounted on the housing and retracts an impeller member to a retracted position, extends the trigger to an armed position, and advances a pellet magazine, extending through the hand grip, by reciprocation of the slide member. Additionally, a latch mechanism engaged with the slide mechanism, the trigger, and the impeller causes an impeller extending force to be stored and retained in an impeller extender spring as the slide member is reciprocated. Pivoting the trigger into the hand grip toward a release position releases the latch mechanism, whereby the extender spring force resiliently urges the impeller through a pellet magazine chamber driving a stack of pellets therefrom and through a needle mounted on the front end of the implanter housing. An impeller bias spring maintains an outward resilient force on the impeller whereby the pellets are completely ejected from the needle as the needle is withdrawn from the ear of an animal receiving the implant.